

Figure 1: A plot showing the distribution of gene lists across different clusters. The x-axis is 'Gene List Index' (0 to 18113) and the y-axis is 'Number of genes' (-1.0 to 0.0). A red line shows the distribution of gene lists, peaking at 5224. A green line shows the distribution of gene lists, crossing zero at 10828. The plot is divided into two regions: 'clus1' (left) and 'NON.clus1' (right).

The figure is a density plot showing the distribution of ES values. The x-axis is labeled 'ES' and ranges from -0.6 to 0.6. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 3.0. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks around -0.2 and 0.2. A vertical black line represents the 'Observed Gene Set ES value' at approximately 0.426. The area under the red curve to the right of this line is shaded in light red. Text labels on the x-axis indicate 'Neg. ES "NON.clus1"' for negative values and 'Pos. ES: "clus1"' for positive values. At the bottom, statistical values are provided: ES = 0.426, NES = 1.49, Nom. p-val = 0.0825, FWER = 0.862, and FDR = 0.213.

Gene Set Null Density

Observed Gene Set ES value

Neg. ES "NON.clus1"

Pos. ES: "clus1"

ES

ES = 0.426 NES = 1.49 Nom. p-val= 0.0825 FWER= 0.862 FDR= 0.213

clus1

NON.clus1

Class
PRKCC
PIK3R2
NTN1
CASP9
CSF3RB
PRKCD
IL3RA
IL1A
IL1B
CHP1B
TNF
BCL2
PRKAR2A
PPP1CA
FAS
TNFRSF10A
BIRC2
BID
DFFB
PRKAB2B
DFFA
IRAK4
PIK3R3
PRKACB
PIK3CA
EXO2
ATM
AKT3
CAI1
TRAF2
TRAF6
CFLAR
TNFSF10
CASP9
MYD88
IKKKB
FADD
PPP1CC
MAP3K14
CASP8
PRKAR1B
CASP7
PPP1R1
BIRC2
CASP10
IL1S1
NFkB1
CASP8
IKKBA
IKKKG
IKKBI
TNFRSF10D
TNFA2
CHUK
NFKBIA
ENDOG
ACT1
XIAP
RELA
PRKX
CYBB
TNFRSF1A
CARD2
TP53
GATAD1
AKT2
APMT
PIK3R2
PRKATA
AIFM1
BAD
TNFRSF10B
CIP1
RIPK1
RIPK3
PRKACA
NUP
BCL2L1
ENDOD1
ILRAP
TNFRSF10C

TGGA_3X_AAIV_01
TGGA_3X_AAV_01
TGGA_3X_AAVB_01
TGGA_3X_AAVC_01
TGGA_3X_AAVE_01
TGGA_W5_AA2H_01
TGGA_W5_AA2R_01
TGGA_W5_AA2U_01
TGGA_W5_AA2V_01
TGGA_W5_AA2X_01
TGGA_W5_AA30_01
TGGA_W6_AAO5_01
TGGA_ZU_ABS4_01
TGGA_4G_AAZQ_01
TGGA_4G_AAZT_01
TGGA_W5_AA2I_01
TGGA_W5_AA2J_01
TGGA_W5_AA2Q_01
TGGA_W5_AA2Z_01
TGGA_W5_AA2W_01
TGGA_W5_AA2Y_01
TGGA_W5_AA2Z_01
TGGA_W5_AA31_01
TGGA_W5_AA33_01
TGGA_W5_AA34_01
TGGA_W5_AA36_01
TGGA_W5_AA38_01
TGGA_W5_AA39_01
TGGA_WD_A7RX_01
TGGA_YR_A9EA_01
TGGA_ZD_A8I3_01
TGGA_ZH_A8Y1_01
TGGA_ZH_A8Y2_01
TGGA_ZH_A8Y4_01
TGGA_ZH_A8Y5_01
TGGA_ZH_A8Y6_01
TGGA_ZH_A8Y8_01